ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS 1993:146587 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

118:146587

TITLE:

Suspensions of micron-sized ascorbic acid particles and their use as antioxidants

Todd, Paul H., Jr.

INVENTOR (S): PATENT ASSIGNEE(S):

Kalamazoo Holdings, Inc., USA

SOURCE:

PCT Int. Appl., 44 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

1	PATENT NO.					KIND		DATE		APPLICATION NO.		DATE	_	
		9300015			 A1	-	1993	0107		WO	1992-US	1874	19920610)
				KR BE,	CH,	DE,	DK,	ES,	FR,	GB, G	GR, IT, 1	LU, MC,	NL, SE	า
		5230 5900	336		A A1		1993 1994	0727		US	1991-71	1 2 2 0	1992061	•
		5900	29		В1	L	2000 DK,		FR.	GB. (GR, IT,	LI, LU,	, MC, NL	, SE
	JΡ	R: 0650		BE,	T2		1994	1006		JP	1992-50 1992-91	1506	1992061 1992061	0
		1969 2071			E A			1115 1221		CA	1992-20	71415	1992061	7
	US	5290	481		A			0301 0322			1992-96 1992-96		1992101 1992101	
	US	5296 5314	686		A A			0524		US	1992-96 1991-71	0715	1992101 1991062	
PRIOR	TI)	Y APP	LN.	INFO	.:						1992-US	4874	1992061	0
											7 4	.) U mil	mare 11	S = C

Particles of ascorbic acid with a diam. .ltoreq.38 .mu.m are used as an antioxidant for foods in which ascorbic acid is insol. (e.g. fats and AΒ oils). These particles are prepd. by wet-milling of ascorbic acid in a solvent in which it is insol. The use of the powder to stabilize fats

and

glyceridic oils, paprika oleoresin, and chicken fat against oxidn. is demonstrated.

50-81-7, Ascorbic acid, properties

RL: PRP (Properties)

(microparticulate, as antioxidant for fatty and hydrophobic foods)

50-81-7 CAPLUS

CN / L-Ascorbic acid (8CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.

```
ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
     50-81-7 REGISTRY
RN
     L-Ascorbic acid (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN
     (+)-Ascorbic acid
CN
     3-keto-L-Gulofuranolactone
CN
     3-0xo-L-gulofuranolactone
CN
     Adenex
     Allercorb
CN
CN
     Antiscorbic vitamin
CN
     Antiscorbutic vitamin
CN
     Ascoltin
ÇN
     Ascorbajen
CN
     Ascorbic acid
CN
     Ascorbutina
CN
     Ascorin
CN
    Ascorteal
CN
    Ascorvit
CN
    C-Quin
    C-Vimin
CN
CN
    Cantan
CN
     Cantaxin
CN
    Catavin C
CN
    Ce-Mi-Lin
CN
     Ce-Vi-Sol
CN
     Cebicure
CN
     Cebion
CN
     Cebione
CN
    Cecon
CN
    Cegiolan
CN
    Ceglion
CN
    Celaskon
CN
    Celin
CN
     Cemagyl
CN
     Cenetone
CN
     Cereon
CN
     Cergona
CN
     Cescorbat
CN
     Cetamid
CN
     Cetemican
CN
     Cevalin
CN
     Cevatine
CN
     Cevex
CN
     Cevimin
CN
     Cevital
CN
     Cevitamic acid
CN
     Cevitamin
CN
     Cevitan
CN
     Cevitex
CN
     Chewcee
CN
    Ciamin
CN
    Cipca
CN
    Citrovit
CN
     Colascor
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
     DISPLAY
```

STEREOSEARCH 56533-05-2, 57304-74-2, 57606-40-3, 56172-55-5, 129940-97-2, 14536-17-5. 50976-75-5, 154170-90-8, 89924-69-6, 30208-61-8, 259133-78-3 MF CI LC AGRICOLA, AIDSLINE, ANABSTR, APILIT, APILIT2, APIPAT, STN Files: APIPAT2, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDIRECTORY, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXLINE, TOXLIT, TULSA, ULIDAT, USAN, USPATFULL, VETU, VTB (*File contains numerically searchable property data) DSL**, EINECS**, TSCA**, WHO (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

40857 REFERENCES IN FILE CA (1967 TO DATE)
1009 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
40929 REFERENCES IN FILE CAPLUS (1967 TO DATE)
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 16 ide

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS RN 10504-35-5 REGISTRY CN D-Ascorbic acid (7CI, 8CI, 9CI) (CA INDEX NAME) OTHER NAMES: `D-Lyxoascorbic acid CN D-threo-Hex-2-enonic acid, .gamma.-lactone CN CN D-Xyloascorbic acid CNXyloascorbic acid, D-STEREOSEARCH FS MF C6 H8 O6 CI COM AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, LC STN Files: CASREACT, CHEMINFORMRX, GMELIN*, HODOC*, SPECINFO, TOXLINE, TOXLIT, USPATFULL (*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).

172 REFERENCES IN FILE CA (1967 TO DATE)

8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

172 REFERENCES IN FILE CAPLUS (1967 TO DATE)

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS 1993:146587 CAPLUS

ACCESSION NUMBER: DOCUMENT NUMBER:

118:146587

TITLE:

Suspensions of micron-sized ascorbic acid particles and their use as antioxidants

INVENTOR(S):

Todd, Paul H., Jr.

PATENT ASSIGNEE(S):

Kalamazoo Holdings, Inc., USA

SOURCE:

PCT .Int. Appl., 44 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND D	ATE	APPLICATION NO.	DATE
wo 9300015	A1 1	9930107	WO 1992-US4874	19920610
W: JP, KR RW: AT, BE, US 5230836	A 1	DK, ES, FR, 19930727 19940406	GB, GR, IT, LU, MC, US 1991-717926 EP 1992-913549	NL, SE 19910620 19920610
EP 590029 EP 590029 R: AT, BE,	B1 2 CH, DE,	20001018 DK, ES, FR, 19941006	GB, GR, IT, LI, LU, JP 1992-501506	19920610
JP 06508748 AT 196979 CA 2071415	E 2	20001115 19921221 19940301	AT 1992-913549 CA 1992-2071415 US 1992-960721	19920610 19920617 19921014
US 5290481 US 5296249 US 5314686 PRIORITY APPLN. INFO	A A	19940322 19940524	US 1992-960912 US 1992-960715 US 1991-717926	19921014 19921014 19910620
FRIORIII III III			WO 1992-US4874	19920610

Particles of ascorbic acid with a diam. .ltoreq.38 .mu.m are used as an antioxidant for foods in which ascorbic acid is insol. (e.g. fats and AB oils). These particles are prepd. by wet-milling of ascorbic acid in a solvent in which it is insol. The use of the powder to stabilize fats

and

glyceridic oils, paprika oleoresin, and chicken fat against oxidn. is demonstrated.

50-81-7, Ascorbic acid, properties IT

RL: PRP (Properties)

(microparticulate, as antioxidant for fatty and hydrophobic foods)

50-81-7 CAPLUS RN

CN /L-Ascorbic acid (8CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.

09518554

Page 1

```
ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
L1
RN
     50-81-7 REGISTRY
CN
     L-Ascorbic acid (8CI, 9CI) (CA INDEX NAME)
                                                                          Έ,
OTHER NAMES:
CN
    (+)-Ascorbic acid
     3-keto-L-Gulofuranolactone
CN
CN
     3-Oxo-L-gulofuranolactone
CN
    Adenex
    Allercorb
CN
    Antiscorbic vitamin
CN
CN
    Antiscorbutic vitamin
CN
    Ascoltin
    Ascorbajen
CN
    Ascorbic acid
CN
    Ascorbutina
CN
CN
    Ascorin
CN
    Ascorteal
CN
    Ascorvit
CN
    C-Quin
CN
    C-Vimin
    Cantan
CN
CN
    Cantaxin
CN
    Catavin C
    Ce-Mi-Lin
CN
CN
    Ce-Vi-Sol
CN
    Cebicure
CN
    Cebion
CN
    Cebione
CN
    Cecon
    Cegiolan
CN
    Ceglion
CN
CN
    Celaskon
CN
    Celin
CN
    Cemagyl
    Cenetone
CN
CN
    Cereon
CN
    Cergona
CN
    Cescorbat
CN
    Cetamid
CN
    Cetemican
CN
    Cevalin
CN
    Cevatine
CN
    Cevex
CN
    Cevimin
CN
    Cevital
CN
    Cevitamic acid
CN
    Cevitamin
CN
    Cevitan
CN
    Cevitex
CN
    Chewcee
CN
    Ciamin
CN
    Cipca
CN
    Citrovit
CN
    Colascor
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
    DISPLAY
```

FS STEREOSEARCH 56533-05-2, 57304-74-2, 57606-40-3, 56172-55-5, 129940-97-2, 14536-17-5, DR 50976-75-5, 154170-90-8, 89924-69-6, 30208-61-8, 259133-78-3 MF. C6 H8 O6 CI COM LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, APILIT, APILIT2, APIPAT, APIPAT2, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDIRECTORY, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR. PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXLINE, TOXLIT, TULSA, ULIDAT.

USAN, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

her Sources: DSL**, EINECS**, TSCA**, WHO (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

40857 REFERENCES IN FILE CA (1967 TO DATE)
1009 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
40929 REFERENCES IN FILE CAPLUS (1967 TO DATE)
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 16 ide

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

RN 10504-35-5 REGISTRY

CN D-Ascorbic acid (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN D-Lyxoascorbic acid

CN D-threo-Hex-2-enonic acid, .gamma.-lactone

CN D-Xyloascorbic acid

CN Xyloascorbic acid, D-

FS STEREOSEARCH

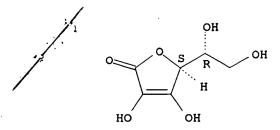
MF C6 H8 O6

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX, GMELIN*, HODOC*, SPECINFO, TOXLINE, TOXLIT, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



172 REFERENCES IN FILE CA (1967 TO DATE)

8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

172 REFERENCES IN FILE CAPLUS (1967 TO DATE)

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)